

WHAT IS CLAIMED IS:

- 1 1. A method of processing electronic document requests,
2 said method comprising:
3 receiving a request from an initiator transmitted
4 through a computer network;
5 determining a target recipient;
6 identifying a first format corresponding to the
7 request;
8 identifying a second format corresponding to the
9 target recipient;
10 dynamically locating a process, wherein the process is
11 adapted to format the request from the first
12 format to the second format;
13 formatting the request using the located process;
14 creating a response based on the formatting; and
15 sending the formatted response to the target
16 recipient.
- 1 2. The method as described in claim 1 further comprising:
2 retrieving a target profile corresponding to the
3 target recipient, the target profile including a
4 trading partner list and a transaction list;
5 determining whether the initiator is a trading partner
6 based upon a reading of the trading partner list;
7 and
8 identifying whether the target recipient and initiator
9 have a known transaction process implementation
10 based upon the transaction list.
- 1 3. The method as described in claim 2 wherein the target
2 profile includes one or more trading partner
3 qualification criteria.

- 1 4. The method as described in claim 2 further comprising:
2 retrieving a HUB transaction process list;
3 determining whether a transaction process
4 implementation is available based upon the HUB
5 transaction process list; and
6 sending a message to the initiator based on the
7 determination.
- 1 5. The method as described in claim 2 further comprising:
2 locating an existing instance of the process between
3 the target recipient and the initiator; and
4 creating a new instance between the target recipient
5 and the initiator in response to not locating the
6 existing instance of the process.
- 1 6. The method as described in claim 1 further comprising:
2 retrieving a transaction process number and a message
3 process state corresponding to the request;
4 retrieving a process state corresponding to the
5 transaction process number;
6 identifying a message type corresponding to the
7 request;
8 comparing the process state to the message process
9 state; and
10 validating the message in response to the comparison.
- 1 7. The method as described in claim 1 wherein the
2 formatting further includes:
3 determining whether the target recipient uses an
4 interactive process or a client-server process.
- 1 8. An information handling system comprising:
2 one or more processors;

3 a memory accessible by the processors;
4 one or more nonvolatile storage devices accessible by
5 the processors;
6 a document processing tool to process electronic
7 documents, the document processing tool
8 including:
9 means for receiving a request from an initiator
10 transmitted through a computer network;
11 means for determining a target recipient;
12 means for identifying a first format
13 corresponding to the request;
14 means for identifying a second format
15 corresponding to the target recipient;
16 means for dynamically locating a process, wherein
17 the process is adapted to format the request
18 from the first format to the second format;
19 means for formatting the request using the
20 located process;
21 means for creating a response based on the
22 formatting; and
23 means for sending the formatted response to the
24 target recipient.

1 9. The information handling system as described in claim
2 8 further comprising:
3 means for retrieving a target profile corresponding to
4 the target recipient, the target profile
5 including a trading partner list and a
6 transaction list;
7 means for determining whether the initiator is a
8 trading partner based upon a reading of the
9 trading partner list; and

10 means for identifying whether the target recipient and
11 initiator have a known transaction process
12 implementation based upon the transaction list.

1 10. The information handling system as described in claim
2 9 wherein the target profile includes one or more
3 trading partner qualification criteria.

1 11. The information handling system as described in claim
2 9 further comprising:
3 means for retrieving a HUB transaction process list;
4 means for determining whether a transaction process
5 implementation is available based upon the HUB
6 transaction process list; and
7 means for sending a message to the initiator based on
8 the determination.

1 12. The information handling system as described in claim
2 9 further comprising:
3 means for locating an existing instance of the process
4 between the target recipient and the initiator;
5 and
6 means for creating a new instance between the target
7 recipient and the initiator in response to not
8 locating the existing instance of the process.

1 13. The information handling system as described in claim
2 8 further comprising:
3 means for retrieving a transaction process number and
4 a message process state corresponding to the
5 request;
6 means for retrieving a process state corresponding to
7 the transaction process number;

8 means for identifying a message type corresponding to
9 the request;
10 means for comparing the process state to the message
11 process state; and
12 means for validating the message in response to the
13 comparison.

1 14. A computer program product stored in a computer
2 operable media for processing electronic documents,
3 said computer program product comprising:
4 means for receiving a request from an initiator
5 transmitted through a computer network;
6 means for determining a target recipient;
7 means for identifying a first format corresponding to
8 the request;
9 means for identifying a second format corresponding to
10 the target recipient;
11 means for dynamically locating a process, wherein the
12 process is adapted to format the request from the
13 first format to the second format;
14 means for formatting the request using the located
15 process;
16 means for creating a response based on the formatting;
17 and
18 means for sending the formatted response to the target
19 recipient.

1 15. The computer program product as described in claim 14
2 further comprising:
3 means for retrieving a target profile corresponding to
4 the target recipient, the target profile

5 including a trading partner list and a
6 transaction list;
7 means for determining whether the initiator is a
8 trading partner based upon a reading of the
9 trading partner list; and
10 means for identifying whether the target recipient and
11 initiator have a known transaction process
12 implementation based upon the transaction list.

1 16. The computer program product as described in claim 15
2 wherein the target profile includes one or more
3 trading partner qualification criteria.

1 17. The computer program product as described in claim 15
2 further comprising:
3 means for retrieving a HUB transaction process list;
4 means for determining whether a transaction process
5 implementation is available based upon the HUB
6 transaction process list; and
7 means for sending a message to the initiator based on
8 the determination.

1 18. The computer program product as described in claim 15
2 further comprising:
3 means for locating an existing instance of the process
4 between the target recipient and the initiator;
5 and
6 means for creating a new instance between the target
7 recipient and the initiator in response to not
8 locating the existing instance of the process.

1 19. The computer program product as described in claim 14
2 further comprising:

3 means for retrieving a transaction process number and
4 a message process state corresponding to the
5 request;
6 means for retrieving a process state corresponding to
7 the transaction process number;
8 means for identifying a message type corresponding to
9 the request;
10 means for comparing the process state to the message
11 process state; and
12 means for validating the message in response to the
13 comparison.

1 20. The computer program product as described in claim 14
2 wherein the formatting further includes:

3 means for determining whether the target recipient
4 uses an interactive process or a client-server
5 process.
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